

IOWA

Science and Engineering Profile

	Iowa	U.S.	Rank		Iowa	U.S.	Rank
Doctoral scientists, 1993	3,849	430,332	31	Total R&D performance, 1993 (millions)	\$902	\$161,427	28
Doctoral engineers, 1993	433	81,293	35	Industry R&D, 1993 (millions)	\$533	\$117,622	28
S&E doctorates awarded, 1995	444	26,482	21	Academic R&D, 1994 (millions)	\$315	\$20,573	23
of which, in life sciences	29%	24%		of which, in life sciences	62%	55%	
in engineering	27%	23%		in engineering	20%	16%	
in physical sciences	13%	14%		in physical sciences	7%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	543	36,143	21	expenditures, 1993 (millions)	\$2,533	\$163,994	22
S&E graduate students, 1994				Number of SBIR awards, 1990-94	31	18,023	40
in doctorate-granting institutions	5,590	438,694	27	Patents issued to state residents, 1995	421	55,717	29
Population, 1995 (000s)	2,842	262,755	30	Gross state product, 1992 (billions)	\$59.5	\$5,994.1	30
Civilian labor force, 1995 (000s)	1,559	132,281	29	of which, agriculture	7%	2%	
Personal income per capita, 1995	\$21,012	\$22,788	31	manufacturing, mining, construction	26%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1995 (millions)	\$12,979	\$1,326,294	32	wholesale and retail trade	16%	16%	
R&D obligations, 1994 (millions)	\$224	\$65,654	33	finance, insurance, real estate	16%	18%	
				services	15%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Iowa by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	223,823	37,592	27,791	18,758	134,507	2,527	2,648	33
Department of Agriculture	40,127	25,437	0	80	14,610	0	0	9
Department of Commerce	2,496	0	0	580	1,916	0	0	28
Department of Defense	33,186	9,784	110	15,541	7,751	0	0	36
Department of Energy	31,992	0	27,088	1,695	3,209	0	0	22
Dept. of Health & Human Services	85,090	0	593	0	80,555	2,527	1,415	26
Department of the Interior	2,528	2,371	0	0	157	0	0	44
Department of Transportation	7,206	0	0	0	6,138	0	1,068	18
Environmental Protection Agency	1,259	0	0	125	969	0	165	30
Nat'l Aeronautics & Space Admin.	5,903	0	0	379	5,524	0	0	33
National Science Foundation	14,036	0	0	358	13,678	0	0	28
State rank	33	38	16	40	26	41	28	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.